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TI Surface treatment of polyester synthetic fiber products
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PA Toyo Spinning Co., Ltd.
SO Jpn. Tokkyo Koho, 5 pp.
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AB	A copolymer derived from terephthalic acid, ethylene glycol, and polyethylene glycol with or without isophthalic acid was stably dispersed in water with polyethylene glycol alkylphenyl monoether sulfate, and the dispersion was applied to a polyester textile at pH 2-6 and >70.deg. to give the textile antistatic properties. Thus, a poly(ethylene terephthalate-isophthalate) textile was immersed 1 hr in a mixture of 6 g/l. 15% dispersion of terephthalic acid-isophthalic acid-ethylene glycol-polyethylene glycol block copolymer and 0.1 g/l. hexaethylene glycol p-nonylphenyl ether ammonium sulfate [36507-98-9] at pH 3 (adjusted with ACOH) and 95.deg., dried, and heated 30 sec at 140.deg.. The textile had elec. resistances before and after 5 washings 6 .tim. 107 and 1 .tim. 109 Ω, resp., compared with >1012 Ω for a similar untreated textile.					

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